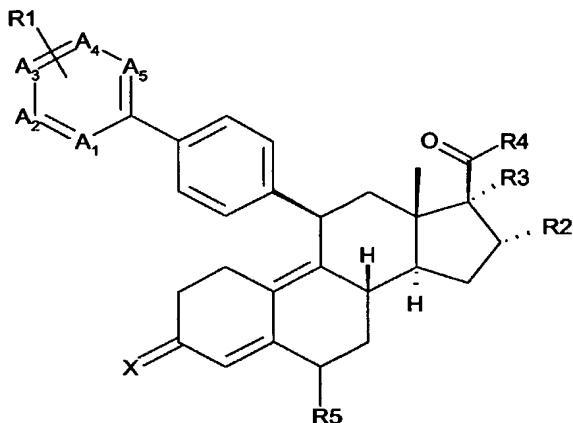


CLAIMS

1. A compound according to Formula I, wherein



Formula I

5 X is O, NOH, NO(1-4C)alkyl, NO(1-4C)acyl;
 A1-A5 are C, substituted with R1, or N, provided that at least one and not
 more than three of A1-A5 are N; or
 one or two of A1, A2 and A5 are N, and the others are C, substituted with
 R1, and A3 and A4 together represent a fused benzo ring or a fused five- or
 10 six-membered nitrogen-containing aromatic ring, both optionally substituted
 with one or more halogen and/or (1-4C)alkyl;
 each R1 is independently selected from H, halogen, (1-4C)alkyl and
 (1-4C)alkoxy;
 R2 is H, (1-4C)alkyl, or (1-6C) alkenyl, both optionally substituted with an
 15 (6-10C)aryl group, which is optionally substituted with one or more halogen
 and/or (1-4C)alkyl; and
 R3 is H or (1-4C)alkyl, optionally substituted with one or more halogen; and
 R4 is cyclopropyl or cyclopropenyl both optionally substituted with one or
 more halogen and/or (1-4C)alkyl; or
 20 R2 together with R3 forms a 3-, 4-, 5- or 6-membered carbocyclic ring; and
 R4 is cyclopropyl or cyclopropenyl both optionally substituted with one or
 more halogen and/or (1-4C)alkyl); or
 R2 is H or (1-4C)alkyl; and

R3 together with R4 forms a 5-, 6- or 7-membered saturated or unsaturated carbocyclic ring;

R5 is H or (1-4C)alkyl;

or a pharmaceutically acceptable salt and/or hydrate form and/or prodrug thereof.

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2. A compound according to claim 1 characterised in that A1-A5 are C, substituted with R1, or N, provided that at least one and not more than three of A1-A5 are N.

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3. A compound according to claim 1 characterised in that one or two of A1, A2 and A5 are N, and the others are C, substituted with R1, and A3 and A4 together represent a fused benzo ring or a fused five- or six-membered nitrogen-containing aromatic ring, both optionally substituted with halogen and/or (1-4C)alkyl.

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4. A compound according to claim 1 characterised in that R2 is H, (1-4C)alkyl or (1-6C)alkenyl, both optionally substituted with an (6-10C)aryl group, which is optionally substituted with one or more halogen and/or (1-4C)alkyl; and R3 is H or (1-4C)alkyl, optionally substituted with one or more halogen; and R4 is cyclopropyl or cyclopropenyl, both optionally substituted with one or more halogen and/or (1-4C)alkyl.

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25 5. A compound according to claim 1, characterised in that R2 together with R3 forms a 3-, 4-, 5- or 6-membered carbocyclic ring; and R4 is cyclopropyl or cyclopropenyl, both optionally substituted with one or more halogen and/or (1-4C)alkyl.

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6. A compound according to claim 1, characterised in that R2 is H or (1-4C)alkyl; and

R3 together with R4 forms a 5-, 6- or 7-membered saturated or unsaturated carbocyclic ring.

7. A compound according to claim 2, characterised in that
5 R2 is H, (1-4C)alkyl or (1-6C)alkenyl, both optionally substituted with an (6-10C)aryl group, which is optionally substituted with one or more halogen and/or (1-4C)alkyl; and
R3 is H or (1-4C)alkyl optionally substituted with one or more halogen; and
R4 is cyclopropyl or cyclopropenyl both optionally substituted with one or
10 more halogen and/or (1-4C)alkyl.
8. A compound according to claim 2, characterised in that
R2 together with R3 forms a 3-, 4-, 5- or 6-membered carbocyclic ring; and
R4 is cyclopropyl or cyclopropenyl, both optionally substituted with one or
15 more halogen and/or (1-4C)alkyl.
9. A compound according to claim 2, characterised in that
R2 is H or (1-4C)alkyl; and
R3 together with R4 forms a 5-, 6- or 7-membered saturated or unsaturated
20 carbocyclic ring.
10. A compound according to claim 3, characterised in that
R2 is H, (1-4C)alkyl or (1-6C)alkenyl, both optionally substituted with an (6-10C)aryl group which is optionally substituted with one or more halogen and/or (1-4C)alkyl; and
R3 is H or (1-4C)alkyl optionally substituted with one or more halogen; and
R4 is cyclopropyl or cyclopropenyl both optionally substituted with one or
25 more halogen and/or (1-4C)alkyl.
- 30 11. A compound according to claim 3, characterised in that
R2 together with R3 forms a 3-, 4-, 5- or 6-membered carbocyclic ring; and

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R4 is cyclopropyl or cyclopropenyl, both optionally substituted with one or more halogen and/or (1-4C)alkyl.

12. A compound according to claim 3, characterised in that
5 R2 is H or (1-4C)alkyl; and
R3 together with R4 forms a 5-, 6- or 7-membered saturated or unsaturated carbocyclic ring.

13. A compound according to claim 1, characterised in that X is O.
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14. A compound according to claim 4, characterised in that R4 is cyclopropyl.

15. A compound according to claim 5, characterised in that R4 is cyclopropyl.
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16. A compound according to claim 2, characterised in that A1, A3, A4 and A5 are C, substituted with R1, and A2 is N.
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17. A compound according to claim 4, characterised in that
18. A compound according to claim 13, characterised in that
A1, A3, A4 and A5 are C, substituted with R1, and A2 is N;
R2 is H, (1-4C)alkyl or (1-4C)alkenyl; and
R3 is H or (1-4C)alkyl, optionally substituted with one or more halogen; and
25 R4 is cyclopropyl; or
R2 together with R3 forms a 3-, 4-, 5- or 6-membered carbocyclic ring; and
R4 is cyclopropyl.
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19. A compound according to claim 13, characterised in that
A1, A3, A4 and A5 are C;
A2 is N;
R1 is H

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R2 is methyl;
R3 is H;
R4 is cyclopropyl;
R5 is H.

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20. A compound according to claim 13, characterised in that

A1, A3, A4 and A5 are C;

A2 is N;

R1 is H

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R2 is ethenyl;

R3 is H;

R4 is cyclopropyl;

R5 is H.

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21. The compound of any one of claims 1-20 for use in therapy.

22. A pharmaceutical composition comprising a compound according to any one of claims 1-20 and a pharmaceutically acceptable carrier.

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23. A pharmaceutical composition according to claim 22 for contraception.

24. A pharmaceutical composition according to claim 22 for hormone replacement therapy.

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25. A pharmaceutical composition according to claim 22 for the treatment of a gynaecological disorder.

26. A use of a compound according to any one of claims 1-20 for the manufacture of a medicament.

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27. A use of a compound according to any one of claims 1-20 for the manufacture of a contraceptive.

28. A use according to claim 26 wherein the medicament is for hormone replacement therapy or for the treatment of a gynaecological disorder.
- 5 29. A method of contraception comprising administering a pharmaceutically effective amount of a compound according to any one of claims 1-20 to a subject in need thereof.
- 10 30. A method of treating a gynaecological disorder comprising administering a pharmaceutically effective amount of a compound according to any one of claims 1-20 to a subject in need thereof.